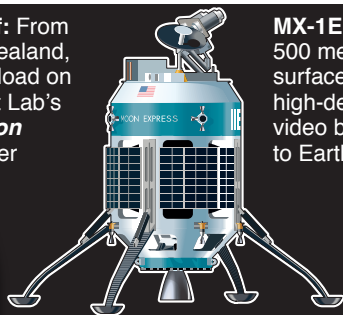


# Moon soon to be open for business

Moon Express hopes to become the first private spaceflight company to send a robotic lander to the moon, scoop up some moon dust, load it into a small return vehicle, and send it back to Earth

**Lift-off:** From New Zealand, as payload on Rocket Lab's **Electron** launcher



**MX-1E:** Designed to "hop" 500 metres to map lunar surface and transmit high-definition video back to Earth



**EARTH**

**Sample return capsule:** Can carry around 8kg back to Earth

**MX-1 ascent vehicle**

**Sample acquisition:** Search pyroclastic deposits for clues to potential deposits of lunar water

**PECO engine:** Uses RP-1 fuel – rocket-grade kerosene – and hydrogen peroxide as oxidizer

**MX-9 lander:** Nine PECO engines can haul 500kg to lunar surface

**Landing site:** Equatorial region – high in ancient volcanic deposits

